

WHAT IS CLAIMED IS:

1. A domain name system inquiry apparatus comprising:
current location information receiving means for
receiving location information of the apparatus itself on a
connected network;

current location management means for storing location
information received by said current location information
receiving means;

server information receiving means for receiving server
information regarding a domain name system server to which
an inquiry can be made;

server management means for storing the server
information received by said server information receiving
means;

request receiving means for receiving an inquiry
request to a domain name system server from a client;

request transferring means for transferring the inquiry
request received by said request receiving means to at least
one domain name system server determined on the basis of
said location information and/or said server information;

response receiving means for receiving a response to
the inquiry request transferred by said request transferring
means;

server information changing means for rewriting said

server information when rewriting of said server information occurs by the response received by said response receiving means; and

request responding means for selecting a response result corresponding to said inquiry request on the basis of this server information and for sending the response result to said client.

2. A domain name system inquiry apparatus according to claim 1, further comprising:

algorithm receiving means for receiving an algorithm for selecting said response result;

algorithm management means for storing the algorithm received by said algorithm receiving means; and

algorithm processing section for selecting a response result in said request responding means by using the algorithm stored in said algorithm management means.

3. A domain name system inquiry method comprising:

a first step of receiving the location information of an apparatus itself on a connected network;

a second step of storing the location information received in said first step;

a third step of receiving server information regarding a domain name system server to which an inquiry can be made;

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a fourth step of storing the server information received in said third step;

a fifth step of receiving an inquiry request to a domain name system server from a client;

a sixth step of transferring the inquiry request received in said fifth step to at least one domain name system server determined on the basis of said location information and/or said server information;

a seventh step of receiving a response to the inquiry request transferred in said sixth step;

an eighth step of rewriting said server information when rewriting of said server information occurs by the response received in said seventh step; and

a ninth step of selecting a response result to said inquiry request on the basis of this server information and sending the response result to said client.

4. A domain name system inquiry method according to claim 3, further comprising:

a tenth step of receiving an algorithm for selecting said response result;

an eleventh step of storing the algorithm received in said tenth step; and

a twelfth step of selecting the response result in said ninth step by using the algorithm stored in said eleventh

step.

5. A computer-readable recording medium having a domain name system inquiry method recorded therein, the domain name system inquiry method comprising:

a first step of receiving the location information of an apparatus itself on a connected network;

a second step of storing the location information received in said first step;

a third step of receiving server information regarding a domain name system server to which an inquiry can be made;

a fourth step of storing the server information received in said third step;

a fifth step of receiving an inquiry request to a domain name system server from a client;

a sixth step of transferring the inquiry request received in said fifth step to at least one domain name system server determined on the basis of said location information and/or said server information;

a seventh step of receiving a response to the inquiry request transferred in said sixth step;

an eighth step of rewriting said server information when rewriting of said server information occurs by the response received in said seventh step; and

a ninth step of selecting a response result to said

inquiry request on the basis of this server information and sending the response result to said client.

6. A domain name system inquiry apparatus comprising:
current location information receiving mechanism
configured to receive location information of the apparatus
itself on a connected network;
current location management mechanism configured to
store location information received by said current location
information receiving mechanism;
server information receiving mechanism configured to
receive server information regarding a domain name system
server to which an inquiry can be made;
server management mechanism configured to store the
server information received by said server information
receiving mechanism;
request receiving mechanism configured to receive an
inquiry request to a domain name system server from a
client;
request transferring mechanism configured to transfer
the inquiry request received by said request receiving
mechanism to at least one domain name system server
determined on the basis of said location information and/or
said server information;
response receiving mechanism configured to receive a

response to the inquiry request transferred by said request transferring mechanism;

server information changing mechanism configured to rewrite said server information when rewriting of said server information occurs by the response received by said response receiving mechanism; and

request responding mechanism configured to select a response result corresponding to said inquiry request on the basis of this server information and for sending the response result to said client.

7. A domain name system inquiry apparatus according to claim 5, further comprising:

algorithm receiving mechanism configured to receive an algorithm for selecting said response result;

algorithm management mechanism configured to store the algorithm received by said algorithm receiving mechanism; and

algorithm processing section mechanism configured to select a response result in said request responding mechanism by using the algorithm stored in said algorithm management mechanism.